P	PTO-1449 REPRODUCED			ATTORNEY DOCKET NO. 1932.1110-001	APPLICATI 10/051	ON NO. 5) <u> </u>	ZZ	
4	'\ IN AN APPLICATION			APPLICANT Richard J. Fitzpatrick, et al.					
ا	KI 3.1	, -	everal sheets if neces	ssary)	FILING DATE January 17, 2002	GROUP 1614	1600/2900	1 2002	IVI
P	ENTE	TRAIL		U.S.	PATENT DOCUMENTS		290		0
I	XAM- NER NI- IAL		DOCUMENT NUM	1BER	ISSUE DATE / PUBLICATION DATE	NAME			
	36	AA	3,641,034		08-FEB-72	Simon			
	35	AB	3,652,149		28-MAR-72	Rogers			
	lof-	AC	3,770,476		06-NOV-73	McKay			
	BG	AD	3,874,870		01-APR-75	Green,	et al.		
	85	AE	3,923,973		02-DEC-75	Green,	et al.		
	48	AF	3,931,319		06-JAN-76	Green,	et al.		
	BS	AG	3,946,035		23-MAR-76	Jacque	t, et a	11.	
	Pos				01-JUN-76	Green, et al.			
	est.	AI	3,966,906		29-JUN-76	Schultze, et al.			
	86	AJ	3,988,158		26-OCT-76	Muramatsu, et al.			
	bol			24-MAY-77	Green, et al.				
				FOREIG	EN PATENT DOCUMENTS				
	N		DOCUMENT NUMBER		COUNTRY	CLASS	SUB- CLASS	TRANSI YES	ATION NO
$\sqrt{2}$		AL _	2,048,233	22-MAY-92	Canada				
	器	AM ,	0411 111 B1	23-AUG-90	EPO	abstract only		Х	
T	於	AN _	59-217787	07-DEC-84	Japan	abstract only		Х	
Ž,	Car	AO_	60-229025	14-NOV-85	Japan	abstract only		Х	
涯	無	AP _	60-229027	14-NOV-85	Japan	abstract only		Х	
#	TE	AQ.	62-51138	05-MAR-87	Japan	abstract only		Х	
-	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
	Jegal, et al., "Development of Polyion Complex Membranes for the Separation of Water-Alcohol Mixtures.I. Synthesis and Physical Properties of the Polycations Based on 1,3-Di(4-pyridyl) propane", J. Appl. Polymer Science, 54: 65-72 (1994).							F.	
	を行	AS	Separation of Water-Alcohol Mixtures. III. Preparation of Polyio						
	EXAMI	B L	essing Fub	an	DATE CONSIDERED 6-26	-03			

					APPLICATI	ON NO	-4	
PTO-1449	REPROI	DUCED		1932.1110-001	10/051		<u>단</u>	
oci 3 1		MATION DISCLOSURE CIT IN AN APPLICATION	RATION	APPLICANT Richard J. Fitzpatrick, et al.			CEN	NOV
M. 3.	J. KONTO	several sheets if neces	sary)	FILING DATE January 17, 2002	GROUP 1614		TER 1600/2900	012
THI L	River			PATENT DOCUMENTS			3/00	2002
EXAM- INER INI- TIAL		DOCUMENT NUM	BER	ISSUE DATE / PUBLICATION DATE		NAME	900	
BE	AA2	4,025,627		24-MAY-77	Green	et al.		
for the	AB2	4,025,653		24-MAY-77	Green	et al.		
66	AC2	4,027,020		31-MAY-77	Green	et al.		
BE	AD2	4,113,709		12-SEP-78	Quinla	n		
HA	AE2	4,157,387		05-JUN-79	Benedi	ct		
15	AF2	4,206,295		03-JUN-80	Wagner	et al.		
Go	AG2	4,217,429		12-AUG-80	Wagner	et al.		
150	AH2	4,379,137		05-APR-83	Ehlers	et al.		
HC.	AI2	4,506,081		19-MAR-85	Fenyes et al.			
106	AJ2	4,778,813		18-OCT-88	Fenyes et al.			
80	AK2	4,923,619		08-MAY-90	Legros			
hr.	AA3	4,960,590		02-OCT-90	Hollis et al.			
			FOREIG	N PATENT DOCUMENTS				
\$		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANS YES	LATIO N
3	AM2	62-62881	19-MAR-87	Japan	abstract only		х	
US.	AN2	476257	11-MAY-76	Soviet Union	abstract only		Х	
第	A02	2000280622	10-OCT-00	Japan	abstract only		Х	
1		OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertinen	t Pages,	Etc.)		
Kanazawa, et al., "Polymeric Phosphonium Salts as a Novel Class of Cationic Biocides. IV. Synthesis and Antibacterial Activity of Polymers with Phosphonium Salts in the Main Chain", J. Polymer Sci.; Part A: Polymer Chemistry 31:3031-3038 (1993).								
Nohira, et al., "Synthesis of Poly(alkylenediphenylphosphonium bromide", Kobunshi Ronbunshu, 31(6):391-394 (1974).								
Rembaum, et al., "Interaction of Living Cells with Polyionenes and Polyionene-Coated Surfaces", J.Biomed. Mater. Res. Symposium 8: 101-110 (1977).								
至	AW	Yi, et al., "The Polypropylviolo Sunyatseni No.	gens", Acta	and Reduction Behavio Scientiarum Naturaliu 86).	r of Sul m Unive	bstitut rsitati	ed s	
EXAMI	NER			DATE CONSIDERED				·
R	Test	ing Probate		6-26	03		-	

APPLICATION NO. ATTORNEY DOCKET NO. PTO-1449 REPRODUCED 10/051,766 1932.1110-001 OF ORMATION DISCLOSURE CITATION APPLICANT IN AN APPLICATION Richard J. Fitzpatrick, et al. GROUP FILING DATE January 17, 2002 1614 several sheets if necessary) U.S. PATENT DOCUMENTS EXAM-ISSUE DATE / INER NAME DOCUMENT NUMBER PUBLICATION DATE INI-TIAL 25-DEC-90 Hou et al. 4,980,067 Hollis et al 07-JUL-92 AC3 5,128,100 AD3 5,142,002 25-AUG-92 Metzner AE3 5,149,524 22-SEP-92 Sherba et al. AF3 Dominguez et al. 5,283,316 01-FEB-94 05-APR-94 Park 5,300,287 Konstantin et al. AH3 19-NOV-96 5,575,917 Ward et al. 19-NOV-96 5,575,993 p6 AJ3 01-APR-97 Nagase et al. 5,616,317 W Del Corral et al. AK3 10-JUN-97 5,637,308 08-JUL-97 Lee et al. 5,646,205 108 of AB4 20-JAN-98 Malhotra 5,709,976 AC4 01-DEC-98 Del Corral et al. 5,843,865 FOREIGN PATENT DOCUMENTS SUB-TRANSLATION CLASS CLASS COUNTRY DOCUMENT NUMBER DATE AP2 abstract 23-AUG-90 WIPO Х WO 90/09405 / only abstract Х AQ2 WO 94/14872 07-JUL-94 WIPO only AL3 WO 96/20737 11-JUL-96 WIPO AM3 22-JAN-98 WIPO WO 98/02136 AN3 WO 99/02621 21-JAN-99 WIPO A03, 04-NOV-99 WO 99/55320 WIPO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) EXAMINER DATE CONSIDERED Blessing fubara 6-26-03

PTO-1449 REPRODUCED				ATTORNEY DOCKET NO. 1932.1110-001	APPLICATION 10/051,				
	INFORMATION DISCLOSURE CITATION IN AN APPLICATION			APPLICANT Richard J. Fitzpatrick, et al.					
ZZ 3 1		several sheets if nece	essary)	FILING DATE January 17, 2002	GROUP 1614	TECH CENTER	NO	A M	
PENT &	RAD		U.S.	PATENT DOCUMENTS		<u> </u>	0 1		
EXAM- INER INI- TIAL		DOCUMENT NU	MBER	ISSUE DATE / PUBLICATION DATE			./ VE/ 1 2002	; ?	
BE	AD4	5,866,016		02-FEB-99	Jaquess			,	
86	AE4	6,007,803		28-DEC-99	Mandevi	lle, II	I et «	al.	
fos	AF4	6,016,508		18-JAN-00	Chu et	al.			
58	AG4	6,034,129		07-MAR-00	Mandevi	lle, II	I et «	al.	
BC	AH4	6,123,928		26-SEP-00	Sovak e	t al.			
BC	AI4	3,929,990		30-DEC-75	Green,	Green, et al.			
66	AJ4	2001/0041485 A1		15-NOV-01	Zhao, et al.				
			FOREIG	N PATENT DOCUMENTS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSL YES	LATION NO	
<u> </u> 									
1									
			: 						
	ı	OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertind	ent Pages,	Etc.)			
						· - ··· <u></u>			
EXAMIN	JER	<u> </u>		DATE CONSIDERED					
	Ble	essing Fuba	ira	6-	26-6	53			

•		N. Carlotte	ANAMARIA	_		Sheet 2 o	of 2
PTO-14	49 REPR			ATTORNEY DOCKET NO.	APPLICA'		
. –		SUPPLEMENTAL	272 330	1932.1110-001	10/05		
	INFO	RMATION DISCLOSURE CO	LTATION /	APPLICANT	_		
		IN AN APPLICATION	010	Richard J. Fitzpatrio	ck, et a	1.	
	' ~ &	December 17, 2002		FILING DATE		ATION NO.	GROUP
DEC 2	7 (Use	e several sheets if nece	essary)	January 17, 2002	5568		1614
	· ZUUZ	24	U.S.	PATENT DOCUMENTS			
ZXAM-	MARKOR	*		ISSUE DATE /			
INI- TIAL		DOCUMENT NU	MBER	PUBLICATION DATE		NAME	
	 				12	JAN 0 3	A
	<u> </u>			-	12	JAN Y	¥ <u> </u>
	ļ				6	200	The state of the s
						1600	
	 					-00 ₂	22
	1	<u> </u>	FORETG	N PATENT DOCUMENTS			<u>U</u>
	T	T	1 01210	THE STOCKMENTS		SUB-	mpanici amion
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	CLASS	TRANSLATION YES NO
		OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertiner	nt Pages,	Etc.)	<u> </u>
20	AR2	Mosca, D.A., et	al., "IB-3	67, a protegrin peptid	le with i	in vitro	and in
6		vivo activities	against the	e microflora associate hemotherapy, 44(7):180	d with	oral mud	cositis,"
	AS2			herapeutic use of chlo			
BF	/	marrow transplar Oral Pathol., 63	nt patients (6):683-68	: case studies," <i>Oral</i> 7 (1987).	Surg. O	ral Med	., and
165	AT2			he antimicrobial activ tion, 10:305-307 (1987		orotamin	ne and
	7						
6	AU2		(polymethy)	ntimicrobial Character lene) chloride]s," <i>J</i> . 4).			fung.
			•				
EXAMIN	JER			DATE CONSIDERED			
	مراكلا	sking Fulan	9.	6-26-0	3		
	uvc	301.		6 ~ 6 C	_		

Epstein, J.B., et al., "Prophylaxis of candidiasis in patients with BF

leukemia and bone marrow transplants," Oral Surg. Oral Med. Oral Path. Oral Radiol. and Endodontics, 81(3):291-296 (1996).

Gibson, J., et al., "Oral staphylococcal mucositis: A new clinical entity in orofacial granulomatosis and Crohn's disease," Oral Surg. Oral Med. Oral Path. Oral Radiol. and Endodontics, 89(2):171-176 (2000).

Klessing Fubara

DATE CONSIDERED 6-26-0

PTO-1449 REPRODUCED OIPE 2nd SUPPLEMENTAL			ATTORNEY DOCKET NO. 1932.1110-001	APPLICATION NO. 10/051,766				
INFORMATION DISCLOSURE CITATION INGAN APPLICATION			APPLICANT Richard J. Fitzpatrick, et al.					
PATER	MAR 1 4 2003 Farch 7, 2003 (Use several sheets if necessary)			FILING DATE January 17, 2002	CONFIRMATION NO. GROUP 5568 1614			-
	THANK		U.S.	PATENT DOCUMENTS	<u>*</u>			
EXAM- INER INI- TIAL		DOCUMENT NU	JMBER	ISSUE DATE / PUBLICATION DATE	NAME			
BF-	AB5	5,256,420		26-OCT-94	Tsao e	et al.		
BF	AC5	5,451,398		19-SEP-95	Vigh			
bf	AD5	5,866,016		2-FEB-99	Jaque	ÈČĖ	L .	
						ECE	VED)
					M.	AR 182	າກກວ	
					TECH		<u> </u>	
					1-0116	ENTER 16	00/290	0
			FOREIG	N PATENT DOCUMENTS	L			
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLAS S	TRAN IC YES NO	SLAT
	АР3	0 366 853 A1	09-MAY-90	EPO	G03C	1/85	Х	
BB	AQ3	0 392 492 A2	17-OCT-90	EPO	C08G	73/02	Х	
		OFFICE POSTRONIES	(T==3=3/=== 3==					
		OTHER DOCUMENTS	(Including Au	thor, Title, Date, Pertinent	Pages,	Etc.)		
	AR							
	AS							
	AT							
EXAMIN	ier CS 55 -	ng Fubara		DATE CONSIDERED	,-03			

THIRD SUPPLEMENTAL INFORMATION DISCLOSURE CITATION IN AN APPLICATION

(April 10, 2003) so everal sheets if necessary) 1932.1110-001

10/051,766

APPLICANT

Richard J. Fitzpatrick et al.

FILING DATE January 17, 2002 CONFIRMATION NO. 5568

GROUP 1615

Sheet 1 of 2

TE	TO THAT	-cu frit	FOREIG	N PATENT DOCUMENTS				
	Q THAT	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSI YES	LATION NO
86	AL4 .	1 546 809	31/05/79	Great Britain	_	-		
	AM '	:			Δ.		·	
	AN		ţ		100	1		
	AO			To.	App			
	AP			- C/Y	QC/1 6		う	
	AQ				EAISO	(O)		
	AL2				APR 6	30n		
	AM2							ı
	AN2							
	AO2							
	AP2							
	AQ2							
	AL3							
	AM3							
	AN3							
	AO3							
	AP3							·
	AQ3							
	AL4							
	AM4							
	AN4							
	AO4							
	AP4							
	AQ4							
	AL5			·				
	AM5							

EXAMINE	ϵ	lessing	Frhava
	_		

	<u></u>	(35 35) 5 5 5 5 5 5
	STATE S	TOAU
		OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)
BE	AV2	DATABASE CA [Online] CHEMICAL ABSTRACTS SERVICE, Columbus, OH. Nagase, Hiroshi et al., "Synergistic microbicide compositions and control of microorganisms with them," (retrieved from STN). Accession No. 130:263534.
88	AW2	DATABASE CA [Online] CHEMICAL ABSTRACTS SERVICE, Columbus, OH. Nagase, Hiroshi et. al., "Synergistic compositions and method for control of microorganisms in water systems using ionene polymers and metal ions," (retrieved from STN). Accession No. 130-233638.
BG	AX2	DATABASE CA [Online] CHEMICAL ABSTRACTS SERVICE, Columbus, OH. Koma, Hiroki <i>et al.</i> , "Sterilization of the hands with solutions containing microbicidal vinyl copolymers," (retrieved from STN). Accession No. 122:99309.
BF	AY2	DATABASE CA [Online] CHEMICAL ABSTRACTS SERVICE, Columbus, OH. Koma, Hiroki et al., "Biofouling inhibitors for industrial aqueous systems" (retrieved from STN). Accession No. 113:120571.
		RECE
		RECEIVED APR 1 6 2003 TECH CENTER 1600/2500
		FECH CENTER 1600/2500
		72000
		·

Blessing Fubara	DATE CONSIDERED 6-26-03
-----------------	-------------------------